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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Sheet	1	of	1	Application Number	TBA
				Filing Date	January 23, 2004
				First Named Inventor	Ik-Soo KIM et al.
				Art Unit	TBA
				Examiner Name	TBA
				Attorney Docket Number	8733.742.20

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HN	AA	5,598,285	1/28/1997	Kondo et al.	
	AB	5,745,207	4/28/1998	Asada et al.	
	AC	5,838,037	11/17/1998	Masutani et al.	
	AD	5,946,060	8/31/1999	Nishiki et al.	
	AE	5,990,987	11/23/1999	Tanaka	
	AF	6,028,653	2/22/2000	Nishida	
HN	AG	6,097,454	8/1/2000	Zhang et al.	
	AH				

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number-Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HN	BA	JP 09-005764	1/10/1997		
	BB	JP 09-073101	3/18/1997		
	BC	JP 09-105908	4/22/1997		
HN	BD	JP 09-101538	4/15/1997		
	BE				
	BF				

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
HN		R. Kieler et al.; "In-Plane Switching of Nematic Liquid Crystals"; Japan Display '92; pages 547-550			
		M. Oh-e, et al.; "Principles and Characteristics of Electro-Optical Behaviour with In-Plane Switching Mode"; Asia Display '95; pages 577-580			
		M. Ohta et al.; "Development of Super-TFT-LCDs with In-Plane Switching Display Mode"; Asia Display '95; pages 707-710			
		S. Matsumoto et al.; "Display Characteristics of In-Plane Switching (IPS) LCDs and a Wide-Viewing-Angle 14.5-in. OPS TFT-LCD"; Euro Display '96; pages 445-448			
		H. Wakemoto et al.; "An Advanced In-Plane Switching Mode TFT-LCD"; SID 97 Digest; pages 929-932			
		S.H. Lee et al.; "High-Transmittance, Wide-Viewing-Angle Nematic Liquid Crystal Display Controlled by Fringe-Field Switching"; Asia Display '98; pages 371-374			
HN		S. Endoh et al.; "Diagonal Super-TFT-LCDs with Mega Wide Viewing Angle and Fast Response Speed of 20 ms"; IDW '99; pages 187-190			

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